

Project Planning & Management

1. Testing Scope

Features & Pages to be Tested

- Homepage – UI responsiveness, navigation, and content verification
- User Authentication – Registration, login, logout, and password recovery
- Product Management – Searching, filtering, and viewing product details
- Shopping Cart – Adding, updating, and removing products
- Checkout Process – Address input, payment validation, and order confirmation
- Contact & Support – Functionality of the contact form and response handling
- Performance & Security – Load testing, API response times, and vulnerability testing
- Compatibility testing – cross browser testing and cross device testing
- API testing – GET, POST, PUT AND DELETE requests

2- testing roles:

All the team members will perform tasks in each step.

3. Risks & Challenges

- **Browser Compatibility Issues** – Website may behave differently across Chrome, Firefox, Edge, and Safari.
- **Device Responsiveness** – Ensuring smooth performance on mobile, tablet, and desktop.
- **Payment Gateway Failures** – Payment processing errors during checkout testing.
- **Data Integrity Issues** – Incorrect or missing data in order history, cart, and profile.
- **Automation Challenges** – Dynamic elements and CAPTCHA may interfere with test scripts.
- **Third-Party Dependencies** – APIs may have downtime affecting order placement and login.

4. Key Performance Indicators (KPIs)

- **Bug Detection Rate** – Track the number of defects found per testing phase.
- **Test Coverage Percentage** – Ensure at least 90% of functional scenarios are tested.
- **Response Time for API Requests** – Ensure API calls complete within 2 seconds.
- **Regression Testing Success Rate** – Maintain a high pass rate for repeated test cases.

- **Issue Resolution Time** – Average time taken to fix reported defects.